

DIALOG(R)File 351:Derwent WPI  
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014690058     \*\*Image available\*\*  
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**Object detection in telecommunication conference application, involves  
evaluating correspondence between variables derived from gray-level  
distribution of image and preset reference distribution of object**

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Number of Countries: 029    Number of Patents: 005

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
EP 1211640	A2	20020605	EP 2001307827	A	20010914	200255    B
CN 1343479	A	20020410	CN 2000127067	A	20000915	200255
US 20020081032	A1	20020627	US 2001951458	A	20010914	200255
JP 2002183731	A	20020628	JP 2001282283	A	20010917	200258
CN 1404312	A	20030319	CN 2001132807	A	20010906	200344

Priority Applications (No Type Date): CN 2001132807 A 20010906; CN  
2000127067 A 20000915

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
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EP 1211640	A2	E	55	G06T-005/00	
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Designated States (Regional): AL AT BE CH CY DE DK ES FI FR GB GR IE IT  
LI LT LU LV MC MK NL PT RO SE SI TR

CN 1343479	A			A61B-003/10	
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US 20020081032	A1			G06K-009/48	
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JP 2002183731	A		107	G06T-007/00	
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CN 1404312	A			H04N-007/18	
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Abstract (Basic): EP 1211640 A2

NOVELTY - Two variables are derived from a gray-level distribution of an image and a preset reference distribution being characteristics of an object respectively, for a subset of pixels in the images. The correspondence between the two variables is evaluated over the subset of pixels for determining whether the image contains the object.

DETAILED DESCRIPTION - INDEPENDENT CLAIMS are included for the following:

- (1) Recorded medium storing object detection program;
- (2) Image processing method;
- (3) Human eye detection method;
- (4) Object detection apparatus;
- (5) Image processing apparatus;
- (6) Human eye detection apparatus; and
- (7) Recorded medium storing images processing program.

USE - For detecting objects such as human face, human eye in telecommunication conference, person-to-machine interface, security checking-up, monitor system for tracking human face and image compression, etc.

ADVANTAGE - Eliminates non-uniform illumination and reduces the requirement on the quality of the image and time needed for object detection, thereby increasing accuracy of object detection. Also, variety of images are processed efficiently.

DESCRIPTION OF DRAWING(S) - The figure shows the flowchart explaining human face detection process.